

Claims

1. A surgical flat implant for preventing tissue-to-tissue adhesion in operated areas, in particular for post-operative repair in pericardial, peritoneal or gynaecological surgery, comprising
 - at least one layer (1) of a thin, bioresorbable, smooth film, **characterized**
 - by a stabilizing layer in form of a reinforcing mesh (2) of plastic material which is joined to the film layer (1) and which is provided with a metal-containing, biocompatible, continuous coating (4).
- 10 2. A surgical flat implant according to claim 1, **characterized in that** the coating (4) is a titanium-containing coating of a thickness of less than 2 μm , preferably of 5 to 700 nm.
- 15 3. A surgical flat implant according to claim 2, **characterized in that** the coating (4) comprises a compound of the formula
$$\text{Ti}_a\text{O}_b\text{C}_c,$$
with a = 0.025 to 0.9,
b = 0.025 to 0.7 and
c = 0.2 to 0.9
applying.
- 20 25 4. A surgical flat implant according to one of the preceding claims, **characterized in that** the reinforcing mesh (2) consists of polypropylene, polyurethane, polyester or PTFE.

5. A surgical flat implant according to one of the preceding claims, **characterized in that** the bioresorbable film layer (1) consists of a polylactate.
- 5 6. A surgical flat implant according to one of the preceding claims, **characterized in that** the reinforcing mesh (2) is joined to the film layer (1) by glued spots (6).
- 10 7. A surgical flat implant according to one of claims 1 to 5, **characterized in that** the reinforcing mesh (2) is joined to the film layer (1) by spots by means of knotted filaments (7) which are also provided with the continuous, biocompatible, metal-containing coating.
- 15 8. A surgical flat implant according to one of the preceding claims, **characterized in that** a hemostyptic layer (5) for hematostatic-agent release is provided preferably on the outside of the flat implant (1).